

**Abstract**

A pagewidth color printhead assembly includes an ink distribution arrangement. A plurality of printhead chips is mounted on the ink distribution arrangement to span a print medium feed path. Each printhead chip includes a substrate that defines a plurality of ink supply channels. A plurality of ink-ejecting nozzles is arranged on the substrate in fluid communication with the ink supply channels. The nozzles are arranged in groups, with each group of nozzles being in fluid communication with a respective ink supply channel and the groups of nozzles being arranged in at least three rows, each row of nozzles receiving ink of the same color.